

WHAT IS CLAIMED IS:

- 1 1. A method comprising:
2 receiving a query from a wireless client;
3 identifying whether a wake on LAN request corresponds
4 to the wireless client in response to receiving the
5 query; and
6 sending the wake on LAN request to the wireless client
7 in response to the identification.
- 1 2. The method of claim 1 further comprising:
2 receiving a data packet;
3 detecting whether the data packet includes the wake on
4 LAN request; and
5 storing the wake on LAN request in response to the
6 detection.
- 1 3. The method of claim 2 further comprising:
2 generating a timestamp to correspond with the wake on
3 LAN request; and
4 associating the timestamp with the wake on LAN
5 request.
- 1 4. The method of claim 3 further comprising:
2 retrieving a retention time;
3 determining whether to remove the wake on LAN request
4 using the retention time and the timestamp; and
5 removing the wake on LAN request based upon the
6 determination.

1 5. The method of claim 2 wherein the data packet
2 corresponds to a target client, the method further
3 comprising:
4 recognizing whether the target client is an associated
5 client; and
6 performing the storing in response to the recognizing.

1 6. The method of claim 1 wherein the wireless client is
2 adapted to emerge from sleep mode into receive mode in
3 order to send the query.

1 7. The method of claim 1 wherein the wireless computer
2 network is selected from the group consisting of
3 802.11a, 802.11b, 802.11g, and Bluetooth.

1 8. The method of claim 1 wherein the identifying is
2 performed using the wireless client's MAC address.

1 9. An apparatus comprising:
2 one or more processors;
3 a memory accessible by the processors;
4 a wireless computer network;
5 one or more nonvolatile storage devices accessible by
6 the processors; and
7 a client request handling tool for handling a client
8 request in the wireless computer network, the client
9 request handling tool including software code
10 effective to:
11 receive a query from a wireless client from
12 the wireless computer network;

13 identify whether a wake on LAN request
14 corresponds to the wireless client in
15 response to receiving the query; and

16 send the wake on LAN request to the wireless
17 client using the wireless computer network
18 in response to the identification.

1 10. The apparatus of claim 9 wherein the software code is
2 further effective to:
3 receive a data packet over a wired computer network;
4 detect whether the data packet includes the wake on
5 LAN request; and

6 store the wake on LAN request in one of the
7 nonvolatile storage devices in response to the
8 detection.

1 11. The apparatus of claim 10 wherein the software code is
2 further effective to:
3 generate a timestamp to correspond with the wake on
4 LAN request; and

5 associate the timestamp with the wake on LAN request.

1 12. The apparatus of claim 11 wherein the software code is
2 further effective to:
3 retrieve a retention time from one of the nonvolatile
4 storage devices;

5 determine whether to remove the wake on LAN request
6 using the retention time and the timestamp; and

7 remove the wake on LAN request from one of the
8 nonvolatile storage devices based upon the
9 determination.

1 13. The apparatus of claim 10 wherein the data packet
2 corresponds to a target client, the software code
3 further effective to:
4 recognize whether the target client is an associated
5 client; and
6 perform the storing in one of the nonvolatile storage
7 devices in response to the recognizing.

1 14. The apparatus of claim 9 wherein the wireless client
2 is adapted to emerge from sleep mode into receive mode
3 in order to send the query.

1 15. The apparatus of claim 9 wherein the identifying is
2 performed using the wireless client's MAC address.

1 16. A computer program product comprising software code
2 effective to:
3 receive a query from a wireless client;
4 identify whether a wake on LAN request corresponds to
5 the wireless client in response to receiving the
6 query; and
7 send the wake on LAN request to the wireless client in
8 response to the identification.

1 17. The computer program product of claim 16 wherein the
2 software code is further effective to:
3 receive a data packet;

4 detect whether the data packet includes the wake on
5 LAN request; and

6 store the wake on LAN request in response to the
7 detection.

1 18. The computer program product of claim 17 wherein the
2 software code is further effective to:
3 generate a timestamp to correspond with the wake on
4 LAN request; and
5 associate the timestamp with the wake on LAN request.

1 19. The computer program product of claim 18 wherein the
2 software code is further effective to:
3 retrieve a retention time;
4 determine whether to remove the wake on LAN request
5 using the retention time and the timestamp; and
6 remove the wake on LAN request based upon the
7 determination.

1 20. The computer program product of claim 17 wherein the
2 data packet corresponds to a target client, the
3 software code further effective to:
4 recognize whether the target client is an associated
5 client; and
6 perform the storing in response to the recognizing.

1 21. The computer program product of claim 16 wherein the
2 wireless computer network is selected from the group
3 consisting of 802.11a, 802.11b, 802.11g, and
4 Bluetooth.

1 22. The computer program product of claim 16 wherein the
2 software code adapted to identify is performed using
3 the wireless client's MAC address.